

In the Claims:

Please amend the claims as follows:

1 – 21. (canceled)

1 **22.** (original) Apparatus for treating patients suffering from movement disorder,
2 comprising a pulse generator sanctioned by government authority for implantation in a patient
3 together with electrode means to treat said disorder by stimulation of a selected cranial nerve
4 of the patient with a predetermined sequence of electrical impulses from said pulse generator
5 applied to the selected cranial nerve at a location in a range from about two to about three
6 inches above or below the patient's diaphragm, for alleviating symptoms of the movement
7 disorder in the patient.

23. (original) The apparatus of claim **22**, wherein said pulse generator is
programmable to enable physician programming of the electrical and timing parameters of
said sequence of electrical impulses.

24. (original) The apparatus of claim **22**, wherein the selected cranial nerve is the
vagus nerve, and said electrode means comprises at least one nerve electrode for implantation
on the patient's vagus nerve for direct stimulation thereof at said location.

1 **25.** (original) The apparatus of claim **24**, wherein said electrode means comprises a
2 pair of nerve electrodes for implantation of a respective one of said pair on left and right
3 branches of the patient's vagus nerve for direct bilateral stimulation thereof at said location.

1 **26.** (original) The apparatus of claim **22**, wherein said electrode means comprises at
2 least one electrode for implantation internally to a portion of the patient's nervous system
3 remote from the selected cranial nerve to indirectly stimulate the selected cranial nerve in the

4 vicinity of said location.

1 **27.** (original) The apparatus of claim **22**, including a sense signal analysis circuit
2 associated with the pulse generator for analyzing a signal produced by a sensor in response to
3 movement of the patient to assess whether the patient's movement is random, uncoordinated
4 and involuntary characteristic of the movement disorder being treated, and, if it is, for
5 activating the pulse generator to stimulate the selected cranial nerve in the vicinity of said
6 location.

1 **28.** (original) The apparatus of claim **22**, including means associated with the pulse
2 generator for enabling patient activation of the pulse generator to stimulate the selected
3 cranial nerve in the vicinity of said location.

1 **29** (new) Apparatus for treating patients suffering from movement disorder,
2 comprising a pulse generator approved by a government agency of competent authority to be
3 implanted with at least one interconnected nerve electrode in a patient to treat said movement
4 disorder by applying a programmed sequence of electrical impulses generated by said pulse
5 generator to a branch of the patient's vagus nerve via said electrode implanted on said nerve
6 at a location in a range from about two to about three inches above or below the patient's
7 diaphragm, for relieving symptoms of the movement disorder in the patient.

1 **30.** (new) The apparatus of claim **29**, wherein said pulse generator is adapted to be
2 programmed by a physician to provide electrical and timing parameters of said impulses.

1 **31.** (new) The apparatus of claim **29**, wherein said electrode means has a length
2 sufficient to enable said nerve electrode to be implanted on said nerve at said location.